

### *Journal Articles*

- Walter, S., **Hofer, F.**, Dolder, Z., & Ghelfi-Waechter, S.M. (2021). Simulating for real: The why and how of security drills at the security checkpoint. *Journal of Airport Management*, 15(2), 147-159.
- Ghelfi, S., & **Hofer, F.** (2021). Gelebter Science Transfer bei der Kantonspolizei Zürich. Einblicke in die Arbeit der Fachstelle «Forschung und Entwicklung» der Flughafenpolizei. *format magazine no. 10*, 38-42.
- Koller, D., **Hofer, F.**, & Verschuere, B. (2021). Different target modalities improve the single-probe protocol of the response time-based Concealed Information Test. *Journal of Applied Research in Memory and Cognition*, pre-print: 10.31219/osf.io/385pd.
- Jungo, V., Lueg, Ch., **Hofer, F.**, Bender, M. (2020). Evaluating mobile remote presence bots for medical consultation in nursing homes. *Proceedings of the Association for Information Science and Technology*, 57(1), 1-3, <https://doi.org/10.1002/pra2.347>.
- Koller D., **Hofer F.**, Grolig T., Ghelfi S., Verschuere B. (2020). What are you hiding? Initial validation of the reaction time-based searching concealed information test. *Applied Cognitive Psychology*, 1–13. <https://doi.org/10.1002/acp.3717>.
- Ghelfi-Waechter, S. M., Bearth, A., Fumagalli, C.S., & **Hofer, F.** (2019). Towards unpredictability in airport security. *Journal of Airport Management*, 13(2), 110-121.
- Wetter, O.E., Schmutz, P., **Hofer, F.** & Jonas, K. (2017). Improving the effectiveness of nondisclosure agreements by strengthening concept learning. *R&D Management*, 47(2), 353-364. doi: 10.1111/radm.12203
- Koller, C. I., Wetter, O. E., and **Hofer, F.** (2016) 'Who's the Thief?' The Influence of Knowledge and Experience on Early Detection of Criminal Intentions. *Applied Cognitive Psychology*, 30(2), 178–187. doi: 10.1002/acp.3175.
- Koller, C. I., Wetter, O. E., & **Hofer, F.** (2015). What is suspicious when trying to be inconspicuous? Criminal intentions inferred from nonverbal behavioral cues. *Perception*. 44(6), 679-708. doi: 10.1177/0301006615594271
- Thomas, L., Schwaninger, A., Heimgartner, N., Hedinger, P., **Hofer, F.**, Ehlert, U., Petra H. (2014). Stress-induced cortisol secretion impairs detection performance in x-ray baggage screening for hidden weapons by screening novices. *Psychophysiology*. 51(9), 912-920.
- Hofer, F.**, & Wetter, O.E. (2012). Operational and human factors issues of new airport security technology – Two case studies. *Journal of Transportation Security*, 5 (4), 277-291.
- Wetter, O.E., **Hofer, F.**, & Jonas, K. (2012). Crew goal setting for security control. *Journal of Transportation Security*, 6 (1), 43-57.
- Bättig, F., Frey, C., & **Hofer, F.** (2011). Analyzing suspicious persons and cognitive training. *Kriminalistik*, 10, 637-643.
- Chiller-Glaus, S.D., Schwaninger, A., **Hofer, F.**, Kleiner, M., & Knappmeyer, B. (2011). Recognition of emotion in moving and static composite faces. *Swiss Journal of Psychology*, 70 (4): Special Issue Face Recognition. 233-240.
- Wetter, O.E., Fuhrmann, H., Lipphardt, M., & **Hofer, F.** (2011). Bringing adversaries together: The importance of a common management-level approach in complex work domains. In M. Faundez-Zanuy, V. Espinosa-Duró, & L. D. Sanson (Eds.), *Proceedings of the 45th Carnahan Conference on Security Technology* (pp. 20-25). Mataró, Spain: Institute of Electrical and Electronics Engineers.
- Wetter, O.E., Lipphardt, M., & **Hofer, F.** (2010). External and internal influences on the security control process at airports. In D. A. Pritchard & L. D. Sanson (Eds.), *Proceedings of the 44th International Carnahan Conference on Security Technology* (pp. 301-309). San José, CA: Institute of Electrical and Electronics Engineers.
- Hofer, F.**, Wetter, O.E., Graf, R., Guo, Y., & Schwaninger, A. (2009). The use of learning content management systems as a highly adaptive and efficient tool for sustainably supporting (recurrent) training – an applied perspective. In L. D. Sanson & S. M. Steiner-Koller (Eds.), *Proceedings of the 43rd Carnahan Conference on Security Technology* (pp. 52-58). Zürich, Switzerland: Institute of Electrical and Electronics Engineers.

- Wetter, O.E., Laube, R., & **Hofer, F.** (2009). A comparison between two leadership models for security checkpoints – enhancing processes by optimizing team performance. In L. D. Sanson & S. M. Steiner-Koller (Eds.), *Proceedings of the 43rd Carnahan Conference on Security Technology* (pp. 59-67). Zürich, Switzerland: Institute of Electrical and Electronics Engineers.
- Wetter, O.E., Hardmeier, D., & **Hofer, F.** (2008). Covert testing at airports: Exploring methodology and results. In L. D. Sanson & K. Fliegel (Eds.), *Proceedings of the 42nd Carnahan Conference on Security Technology* (pp. 357-363). Prague, Czech Republic: Institute of Electrical and Electronics Engineers.
- Chiller-Glaus, S.D., Schwaninger, A., & **Hofer, F.** (2007). Identity verification from photographs in travel documents: The role of display duration and orientation on performance. *Proceedings of the Human Factors and Ergonomics Society 51st Annual Meeting* (pp. 1327-1330). Santa Monica, CA: Human Factors and Ergonomics Society.
- Schwaninger, A., **Hofer, F.**, & Wetter, O.E. (2007). Adaptive computer-based training increases on the job performance of x-ray screeners. In L. D. Sanson (Ed.), *Proceedings of the 41st Carnahan Conference on Security Technology* (pp. 117-124). Ottawa, Canada: Institute of Electrical and Electronics Engineers.
- Hardmeier, D., **Hofer, F.**, & Schwaninger, A. (2006a). Increased detection performance in airport security screening using the x-ray ort as pre-employment assessment tool. *Proceedings of the 2nd International Conference on Research in Air Transportation, ICRAT 2006* (pp. 393-397). Belgrade, Serbia and Montenegro, June 24-28, 2006.
- Hardmeier, D., **Hofer, F.**, & Schwaninger, A. (2006b). The role of recurrent CBT for increasing aviation security screeners' visual knowledge and abilities needed in x-ray screening. *Proceedings of the 4th International Aviation Security Technology Symposium*, (pp. 338-342). Washington, D.C., November 27 – December 1, 2006.
- Hofer, F.**, Hardmeier, D., & Schwaninger, A. (2006). Increasing airport security using the X-ray ORT as effective pre-employment assessment tool. *Proceedings of the 4th International Aviation Security Technology Symposium*, (pp. 303-308). Washington, D.C., USA, November 27 – December 1, 2006.
- Schwaninger, A., Vogel, J., **Hofer, F.**, & Schiele, B. (2006). Psychophysically plausible computational modelling of scene typicality. *ACM Transactions on Applied Perception*, 3 (4), 333–353.
- Hardmeier, D., **Hofer, F.**, & Schwaninger, A. (2005). The x-ray object recognition test (x-ray ort) – a reliable and valid instrument for measuring visual abilities needed in x-ray screening. In L. D. Sanson (Ed.), *Proceedings of the 39th Carnahan Conference on Security Technology* (pp. 189-192). Las Palmas, Spain.
- Hofer, F.**, & Schwaninger, A. (2005). Using threat image projection data for assessing individual screener performance. In C. A. Brebbia, T. Bucciarelli, F. Garzia, and M. Guarascio (Eds.), *WIT Transactions on the Built Environment* (82), *Safety and Security Engineering* (pp. 417-426). Wessex, United Kingdom: WIT Press.
- Schwaninger, A., Hardmeier, D., & **Hofer, F.** (2005). Aviation security screeners visual abilities & visual knowledge measurement. *IEEE Aerospace and Electronic Systems*, 20 (6), 29-35.
- Hofer, F.**, & Schwaninger, A. (2004). Reliable and valid measures of threat detection performance in X-ray screening. In L. D. Sanson (Ed.), *Proceedings of the 38th Carnahan Conference on Security Technology* (pp. 303-308). Albuquerque, NM.
- Schwaninger, A., Hardmeier, D., & **Hofer, F.** (2004). Measuring visual abilities and visual knowledge of aviation security screeners. In L. D. Sanson (Ed.), *Proceedings of the 38th Carnahan Conference on Security Technology* (pp. 258-264). Albuquerque, NM.
- Schwaninger, A., & **Hofer, F.** (2004). Evaluation of CBT for increasing threat detection performance in X-ray screening. In K. Morgan and M. J. Spector (Eds.), *The Internet Society 2004, Advances in Learning, Commerce and Security* (pp. 147-156). Wessex, United Kingdom: WIT Press.
- Menozi, M., **Hofer, F.**, Näpflin, U., & Krueger, H. (2003). Visual performance in augmented reality systems for mobile use. *International Journal of Human-Computer Interaction*, 16 (3), 447-460.
- Schwaninger, A., Ryf, S., & **Hofer, F.** (2003). Configural information is processed differently in perception and recognition of faces. *Vision Research*, 43, 1501-1505.

- Hofer, F.**, Fuhrer, M., & Wetter, O.E. (2012). Advanced cabin baggage screening (ACBS): Human factor aspects. *Information Paper of the 51<sup>st</sup> Technical Task Force*. Paris, France: European Civil Aviation Conference.
- Hofer, F.**, Walz, F., & Wetter, O.E. (2012). Evidence-based management at Zurich airport security control. *Information Paper of the 52<sup>nd</sup> Technical Task Force*. Tel Aviv, Israel: European Civil Aviation Conference.
- Schwaninger, A., Bridges, A. P., Drury, C., Durinckx, F., Durrant, P., Hodge, T., **Hofer, F.**, Jongejan, R., Maguire, R. L., McClumpha, A., Neiderman, E., Steinmann, C., & Wüest, W. (2005). White Paper: *Principles and Requirements for Assessing X-Ray Image Interpretation Competency of Aviation Security Screeners*. International Aviation Security Human Factors Technical Advisory Group (InterTAG), ad hoc Working Group on Competency Assessment (CAWG).

### ***Dissertation***

- Hofer, F.** (2006). *A psychophysical approach to object recognition and its application in airport security*. Zürich, Switzerland: Doktorarbeit der Philosophischen Fakultät der Universität Zürich.